

CUMBERLAND-SWAN, INC. -- ISOPROPYL ALCOHOL 99% -- 6810-00-286-5435

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Product Identification  
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Product ID:ISOPROPYL ALCOHOL 99%  
MSDS Date:04/01/1991  
FSC:6810  
NIIN:00-286-5435  
MSDS Number: BTSWF  
=== Responsible Party ===  
Company Name:CUMBERLAND-SWAN, INC.  
Address:ONE SWAN DRIVE  
City:SMYRNA  
State:TN  
ZIP:37167  
Country:US  
Info Phone Num:615-459-8900  
Emergency Phone Num:800-424-9300(CHEMTREC)  
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reparer's Name:JAMES R. BESUR  
CAGE:0TH10  
=== Contractor Identification ===  
Company Name:CMC INC. DBA CUMBERLAND MFG CO.  
Address:ONE SWAN DRIVE  
Box:City:SMYRNA  
State:TN  
ZIP:37167  
Country:US  
Phone:615-459-8900  
CAGE:66611  
Company Name:CUMBERLAND-SWAN, INC  
Address:ONE SWAN DRIVE  
Box:129  
City:SMYMA  
State:TN  
ZIP:37167  
Country:US  
Phone:615-459-8900  
CAGE:0TH10

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Composition/Information on Ingredients  
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Ingred Name:ISOPROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fr

action by Wt: 99%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM/500STEL;9394

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50(ORAL,RATS) = 5840MG/KG, ISOPROPANOL  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL:MAY CAUSE MILD IRRIT TO NOSE,  
THROAT, & RESP TRACT. MAY RESULT IN CENTRAL NERVOUS SYTEM  
DEPRESSION. MILDLY IRRITAT  
ING TO SKIN. MODERATELY IRRITATING TO  
EYES. GENERALLY CONSIDERED TO HAVE ALOW OR DER OF ACUTE ORAL  
TOXICITY.  
Explanation of Carcinogenicity:PER MSDS NO INGREDIENTS ARE LISTED IN  
OSHA, IARC, NTP FOR CARCINOGENICITY.  
Effects of Overexposure:CNS DEPRESSION EVIDENCED BY GIDDINESS,  
HEADACHE, DIZZINESS, AND NAUSEA. EYE/SKIN/NOSE/THROAT/RESP TRACT  
IRRITATION.  
Medical Cond Aggravated by Exposure:PRE-EXISITNG SKIN, EYE, AND  
RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOUSRE TO IP  
A.

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===== First Aid Measures =====

First Aid:EYE:IMMED FLUSH W/PLENTY OF WATER FOR @ LEAST 15MINS OENING  
EYELIDS.GET MED ATTN.SKIN:FLUSH W/WATER.IRRIT OCCURS GET MED  
ATTN.INHAL:REMOVE TO FRESH AIR.PROVIDE OXYGEN IF BREATH DIFFI.GET  
MED ATTN.INGE ST:DON'T INDUCE VOMIT.1ST CONSULT W/DOCTOR OR POISON  
CTRL CTR.DON'T GIVE LIQ TO UNCON OR DROWSY VICTIM.DOCTOR:DON'T  
INDUCE VOMIT.1ST CALL POISON CTRL CTR.TREATMENT DEPENDS ON VOL OF  
MATL & TI  
ME ELAPSE

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===== Fire Fighting Measures =====

Flash Point Method:TOC  
Flash Point:53.0F,11.7C  
Lower Limits:2  
Upper Limits:12  
Extinguishing Media:USE WATER FOG, ALCOHOL FOAM, DRY CHEMICAL OR CARBON  
DIOXIDE.  
Fire Fighting Procedures:WARNING-FLAMM.CLEAR FIRE AREA OF UNPROTECTED  
PEOPLE.DON'T ENTER CONFINED FIRE SPACE W/O FULL BUNKER GEAR  
INCLUDING + PRESS NIOSH APPROVED SCBA.COOL CNTR W/WATER  
Unusual Fire/Explosion Hazard:COOL CNTRS IN INTENSE FIRE W/LG

AMTS OF

WATER TO PREVENT VAPOR PRESSURE BUILDUP AVOIDING RUPTURE.COOL  
W/WATER THOSE EXPOSED TO DIRECT FLAME AVOIDING CNTRS WEAKN

===== Accidental Release Measures =====

Spill Release Procedures:WARNING-FLAMM.REMOVE IGNITION SOURCES.EQPMT  
MUST BE GROUNDED TO PREVENT SPARKING.REMOVE UNPROTECTED PEOPLE.WEAR  
APPROPRIATE RESP & PROTECTIVE CLOTH.SHUT OFF SOURCE W/O RISK.DIKE &  
CONTAIN.TAKE UP W/AB SORBENT MATL.PLACE IN NONELEAKING CONTAINER.

Neutralizi

ng Agent:NOT RELEVANT.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT STORE OR HANDLE IN ALUMINUM  
EQUIPMENT AT TEMPERATURES ABOVE 120F.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATINAL  
EXPOSURE LIMITS USE NIOSH APPROVED RESPIRATOR TO PREVENT  
OVEREXPOSURE. IN ACCORD W/ 29CFR1910.134 USE EI

OTHER AN ATM

SUPPLYING RESPIRATOR OR AIR-PURIFYING RES P FOR ORGANIC VAPORS.

Ventilation:USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL  
VAPOR CONCENTRATIONS.

Protective Gloves:NEOPRENE, NAT RUBBER (CHEM RESISTANT)

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:EYE WASH FOUNTAINS & SAFETY SHOWERS FOR  
EMERGENCY USE. CLOTHING AS REQUIRED TO MIN SKIN CONTACT.

Work Hygienic Practices:AVOID CONTACT W/EYES AND SKIN. WASH HANDS AFTER  
HANDLING.

Supplemental Safety and  
Health

===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-127F,-88C

Vapor Pres:33/68

Vapor Density:2.1

Spec Gravity:0.79

Evaporation Rate & Reference:2.4 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE.

Appearance and Odor:MILD ODOR, COLORLESS, MOBILE LIQUID.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability C

Condition to Avoid: AVOID HEAT, SPARKS, FLAME. DO NOT STORE OR  
HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.  
Hazardous Decomposition Products: CARBON MONOXIDE AND UNIDENTIFIED  
ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods: UNDER EPA-RACA (40CFR261.21) IF PRODUCT BECOMES  
WASTE MATERIAL IF WOULD BE IGNITABLE HAZ WASTE, HAZ WASTE NO: D001.  
REFER TO LATEST EPA OR STATE REGULATIONS REGARDING  
PROPER  
DISPOSAL. MAY BE REPORTABLE TO NATIONAL RESPONSE CENTER 800-424-8802.

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